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(54) IMIDAZO(1,2-A)PYRIDINE DERIVATIVE AND ITS PRODUCTION AND USE

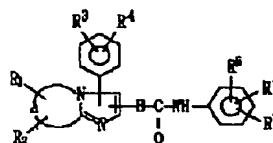
(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a new imidazo[1,2-a]pyridine derivative which has excellent ACAT-inhibitory action and is useful in treatment for hypercholesterolemia and atherosclerosis.

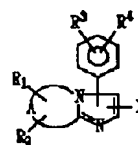
SOLUTION: This new imidazopyridine is represented by formula I [R^1 and R^2 are each H, a halogen, a 1-10C alkyl, a 1-8C alkoxy, a 1-8C monoalkylamino; R^1 and R^2 may be incorporated into each other to form a 3-5C alkylene; R^3 - R^7 are each H, a halogen, a 1-10C alkyl, a 1-8C alkoxy, a 2-12C dialkylamino; A is $-\text{CH}=\text{CH}-\text{CH}=\text{CH}-$, $-(\text{CH}_2)_4-$; B is $-\text{NH}-$, $-\text{CH}_2-\text{NR}^8-$ (R^8 is H, a 1-10C alkyl)], for example,

N-[3-(2-chlorophenyl)-5-methylimidazo[1,2-a]pyridin-2-yl]
N'-(2,6-diisopropylphenyl)urea. The compound of formula I is prepared by reaction of a compound of formula II (X is $-\text{NH}_2$, $-\text{NCO}$) with a compound of formula III (Y is $-\text{NCO}$ in case that X is $-\text{NH}_2$).

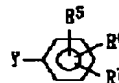
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I



II



III